

ABSTRACT OF THE DISCLOSURE

In multicarrier transmission for multiplying
transmit data individually by each code constituting
orthogonal codes and transmitting each result of
5 multiplication by a prescribed subcarrier, a plurality
of different subcarriers are assigned exclusively to
each user and each user performs multicarrier
transmission of the transmit data by the subcarriers
assigned. Further, a base station assigns a plurality
10 of different subcarriers to each user exclusively,
applies beam-forming processing on a per-user basis and
performs multicarrier transmission of transmit data to
each user by the subcarriers assigned.